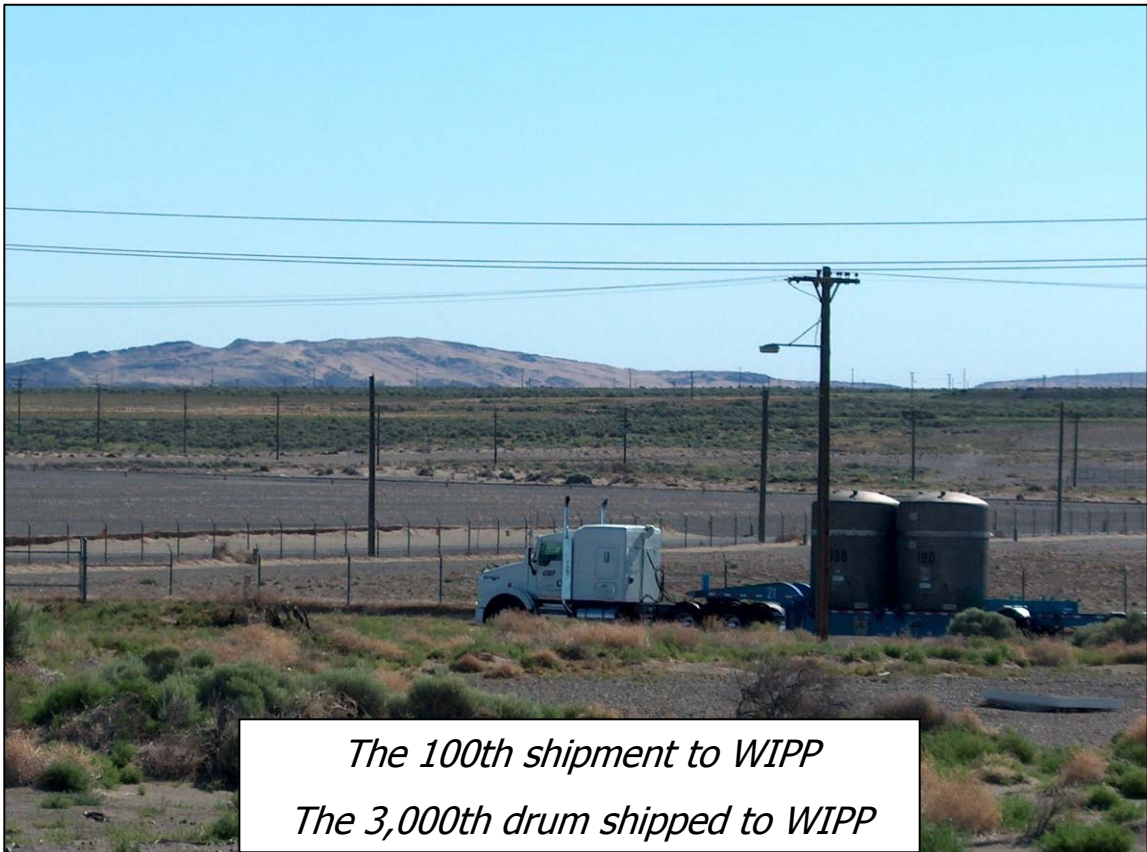


# **Solid Waste Stabilization and Disposition (RL-0013)/Soil and Water Remediation, Groundwater and Vadose Zone (RL-0030)/Operate Waste Disposal Facility (RL-0080)**

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*The 100th shipment to WIPP*  
*The 3,000th drum shipped to WIPP*

## Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*; RL-0030, *Soil and Waste Remediation Groundwater/Vadose Zone*; and RL-0080, *Operate Waste Disposal Facility*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2004.

## Notable Accomplishments

**Transuranic (TRU) Waste Program:** Two shipments to the Waste Isolation Pilot Plant (WIPP) totaling 34 cubic meters (m<sup>3</sup>) were completed in June. A total of 521 m<sup>3</sup> have been shipped this fiscal year versus 432 m<sup>3</sup> planned. The Hanford TRU Program successfully completed the WIPP Recertification Audit. Approval was received from the Environmental Protection Agency (EPA), the Carlsbad Field Office (CBFO) and the New Mexico Environment Department (NMED) for Pipe Over-pack Container (POC) waste shipments to WIPP.

**TRU Waste Retrieval:** A total of 159 m<sup>3</sup> of suspect TRU waste was retrieved in June versus 135 m<sup>3</sup> planned. Through June 30, 2004, a total of 650 m<sup>3</sup> (3,252 drums) were retrieved, versus 535 m<sup>3</sup> (2,676 drums) planned. The first retrieved drum was processed through Nondestructive Examination (NDE) at the Waste Retrieval and Processing (WRAP) facility.

**Mixed Low Level Waste (MLLW) Treatment:** FH dispositioned 149 m<sup>3</sup> of MLLW in June. This fiscal year, a total of 2,713 m<sup>3</sup> has been dispositioned versus 2,550 m<sup>3</sup> planned.

**Waste Disposal Operations:** Unlined trench waste disposal at Hanford was terminated in response to the approval of the Waste Management Environmental Impact Statement Record of Decision (WM EIS ROD).

**Liquid Waste Processing:** The 200 Area Effluent Treatment Facility processed and disposed of 1.9 million gallons of waste in June. The 300 Area Treated Effluent Disposal Facility processed and disposed of 2.6 million gallons of industrial waste water.

## FY 2004 FH Funds versus Forecast (\$000)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
<b>RL-0013</b> Solid Waste Stabilization & Disposition	\$ 136,564	\$ 141,831	\$ (5,267)
<b>RL-0030</b> Soil & Water Remediation, Groundwater/Vadose Zone	\$ 36,395	\$ 36,281	\$ 114
<b>RL-0080</b> Operate Waste Disposal Facility	\$ 3,920	\$ 2,874	\$ 1,046
<b>Total</b>	<b>\$ 176,879</b>	<b>\$ 180,986</b>	<b>\$ (4,107)</b>

The Waste Disposal/Groundwater Remediation Project is developing corrective actions to ensure the forecast over-run does not occur. Underruns in other PBSs within the funds control point may be utilized to cover a portion of this overrun.

## FY 2004 Schedule/Cost Performance (\$000)

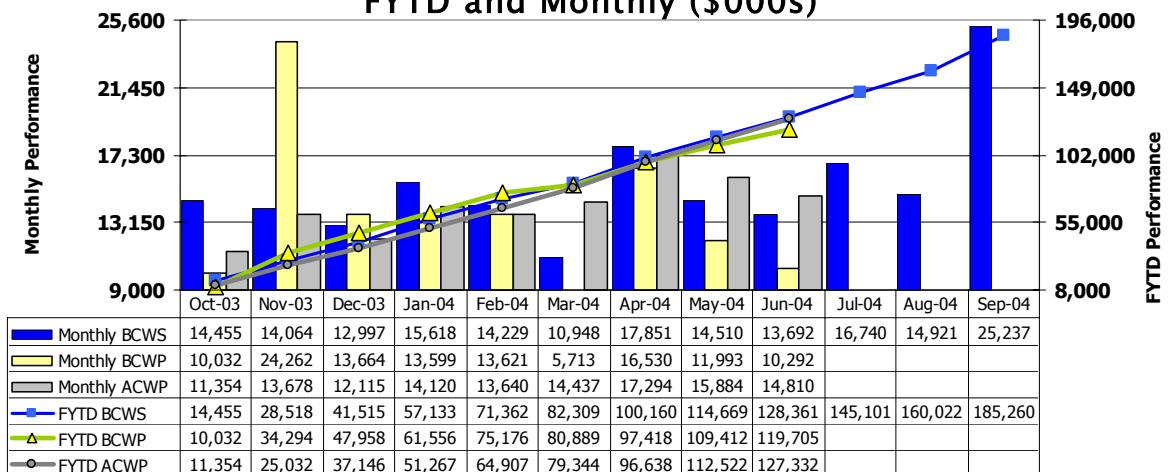
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	100,469	94,051	100,660	-6,418	-6%	-6,608	-7%	145,862
RL-0030	Soil & Water Remediation, Groundwater/ Vadose Zone	25,476	23,589	24,699	-1,887	-7%	-1,110	-5%	36,142
RL-0080	Operate Waste Disposal Facility	2,417	2,065	1,974	-352	-15%	92	4%	3,257
<b>Total</b>		<b>128,361</b>	<b>119,705</b>	<b>127,332</b>	<b>-8,657</b>	<b>-7%</b>	<b>-7,627</b>	<b>-6%</b>	<b>185,260</b>

Numbers are rounded to the nearest \$K and include the closure services allocation.

**Schedule Performance:** The unfavorable schedule variance of -\$8,657K/-7% is primarily from putting K Basin sludge at T Plant on hold, and several Waste Disposal/Groundwater Remediation projects (cesium/strontium dry capsule storage, water line replacements, etc.) being deferred or cancelled to accommodate FY 2004 funding reductions. The unfavorable variance is offset by WIPP shipments being well ahead of plan due to acceleration initiatives started last spring.

**Cost Performance:** The unfavorable cost variance of -\$7,628K/-6% is primarily from PBS RL-0013 due to T Plant Sludge activities continuing while awaiting shipments from K Basins, and TRU retrieval proceeding with revised scope and production goals from the Tri-Party Agreement (TPA) M-91 Settlement Agreement. The unfavorable variance is offset by cost underruns on accelerated WIPP shipments and achieving production efficiencies.

### Performance Analysis FYTD and Monthly (\$000s)



## **Milestone Achievement**

<b>Number</b>	<b>Milestone Title</b>	<b>Type</b>	<b>Due Date</b>	<b>Forecast Date</b>	<b>Status/Comment</b>
<b>M-24-000</b>	<b>Install RCRA Groundwater Monitor Wells at Rate of up to 50 in CY 2003, if required</b>	<b>TPA</b>	<b>12/31/2003</b>	<b>—</b>	<b>Complete 12/30/03</b>
<b>M-91-03A</b>	<b>Submit Revisions to the Hanford Site TRU/TRUM and MLLW PMP to Ecology</b>	<b>TPA</b>	<b>12/31/2003</b>	<b>—</b>	<b>Complete 12/31/03</b>
<b>M-91-22</b>	<b>T Plant is Ready to Receive Canister and Fuel Wash Sludge from K Basins</b>	<b>TPA</b>	<b>2/29/2004</b>	<b>—</b>	<b>To be deleted as part of the M-91 Settlement Agreement</b>
<b>M-26-07A</b>	<b>Submit Evaluation of Status of Development of Tritium Treatment Technology</b>	<b>TPA</b>	<b>3/31/2004</b>	<b>—</b>	<b>Complete 3/12/04</b>
<b>M-26-01N</b>	<b>Submit Annual Hanford Land Disposal Restrictions Report</b>	<b>TPA</b>	<b>4/30/2004</b>	<b>—</b>	<b>Complete 4/29/04</b>